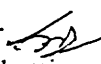




TO: Aramis Lopez Jr. 
FROM: Srikanth S. Holikatti and Douglas J. Frith
DATE: October 1, 1997
SUBJECT: Suspension of SMP Site Monitoring Activities, Site 320101

File: 800.12.8.9.13, 3201

This memo will serve as the SMP Site Monitoring Activities Suspension Status Report for Site 320101(32SA) near Battle Mountain, Nevada.

The site was last monitored on September 10, 1997. The following monitoring and data collection activities were performed:

- FWD deflection data
- Manual distress survey
- Elevation measurements
- Transverse profile measurements using the Dipstick
- Ground water table and water table depth
- Automated moisture (TDR) measurements
- Automated resistance data
- Onsite data download from the CR10 datalogger
- Manual TDR traces
- 2-point resistance calibration
- Manual 2-point resistance and 4-point resistivity

Longitudinal profile measurements of the section were performed on September 16, 1997.

After completion of the monitoring activities, the following close out activities were performed.

- The observation piezometer cap was cleaned, the well top threads cleaned, lubricated, and sealed. Drainage was also provided from the well to prevent any accumulation of water.
- The CR10 panel, terminal strip, and relay were removed from the instrument box.
- All TDR and other sensor cables in the instrument box were re-labeled, and the ends cleaned and electronic grade anti-corrosive compound was applied. The cable ends were organized in a logical manner, placed in a plastic bag and taped with a bag of silica desiccant to keep them dry.

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- The instrumentation hole and the access trench saw cuts were cleaned and resealed with silicone sealant.
- The weather station and support pole were dismantled. The pole top was capped, covered with a plastic bag, and taped.
- The pavement temperature measurement oil holes were flushed cleaned, and sealed with silicone sealant.
- The instrumentation box was cleaned and adequate drainage provided to prevent accumulation of water.
- The instrumentation box lock was lubricated with graphite lubricant and scotch taped to keep the weather elements out.
- All test location markings and other section markings were refreshed.
- A layout schematic was drawn to facilitate re-establishment of the site without difficulty in future.

The instrumentation hole is located 157.15m from start and the instrument box is located at a distance of 9.75m from the lane edge. The piezometer is located 121.6m from the beginning of the section 4.00-0.35m at an offset of 4.92m. Please refer to the enclosed layout schematic.

Evaluation of data collected during the dismantle activities indicates that thermistor sensor unit one (sensors 1, 2, and 3) are dysfunctional (recording -230 C temperature). We have reason to believe that the cables from unit #1 were damaged during the instrument hole patch replacement on July 15, 1997. We intend to investigate the extent of damage, and the possibility of repairing the damage prior to reinstallation of monitoring equipment at the site.

We are also enclosing the following:

- Photographs taken during the data collection and dismantle activities.
- A summary table of seasonal data collection activities over the preceding monitoring cycle.
- Site layout schematic clearly showing the location of the instrument hole, observation well, weather station, equipment cabinet, FWD, and elevation locations.
- Plots of onsite of mobile data indicating the non-functionality of thermistor sensor 1, 2, and 3 and functionality of all TDR sensors.

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We trust this report and its attachments provide a complete documentation of the suspension and dismantle activities for this particular seasonal monitoring site.

SSH/rkp
Enclosures

cc: Dr. Gonzalo Rada

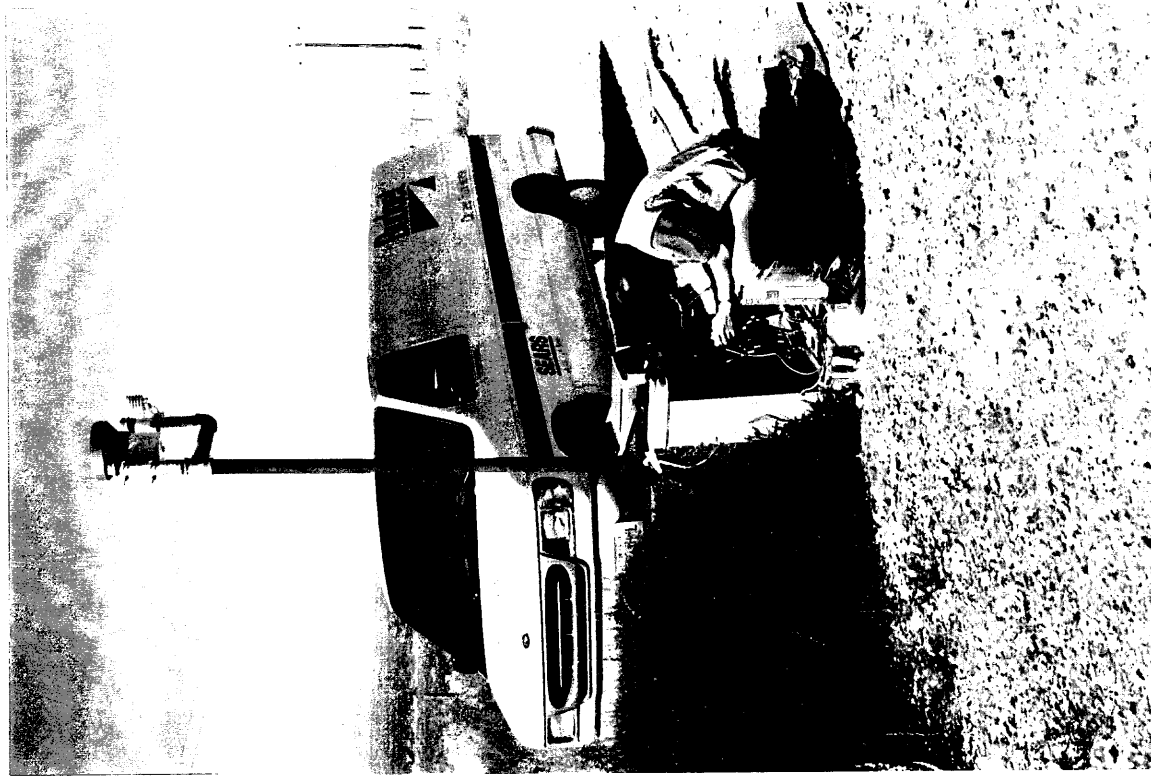


Photo 1. Last set of data collection in progress.



Photo 2. Tied, taped sensor cable ends in the instrumentation box.

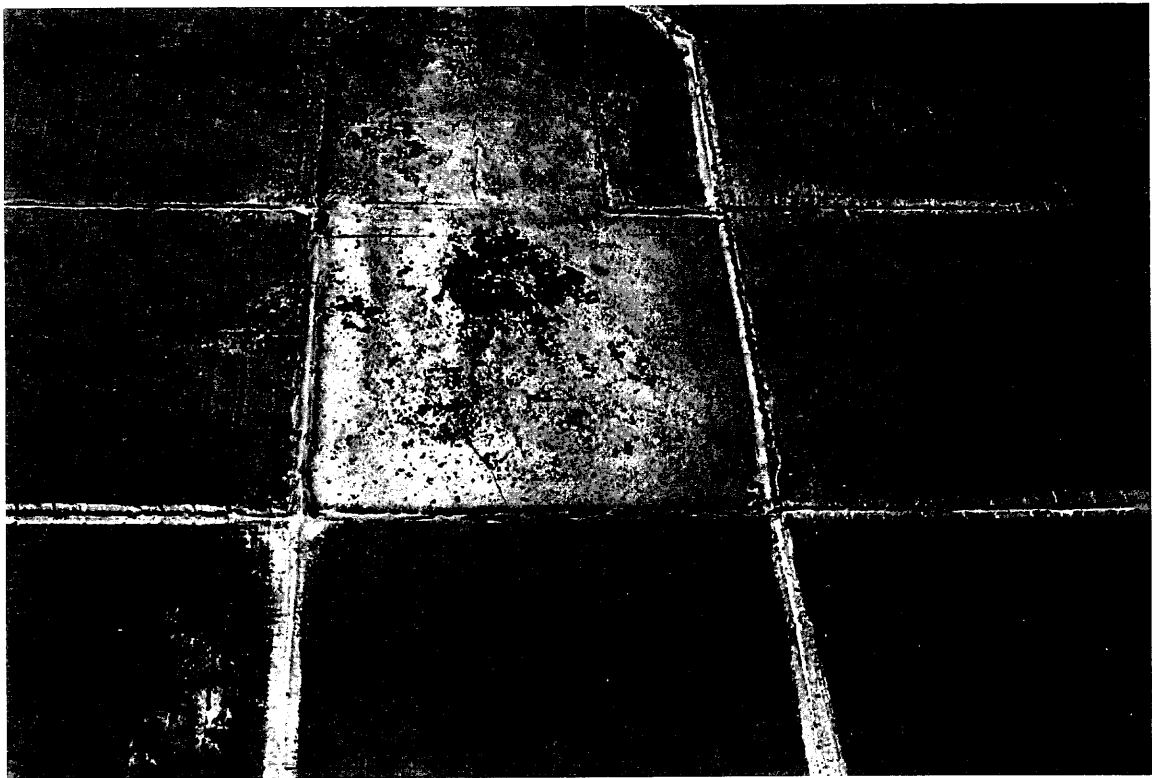


Photo 3. Instrumentation hole and access trench.

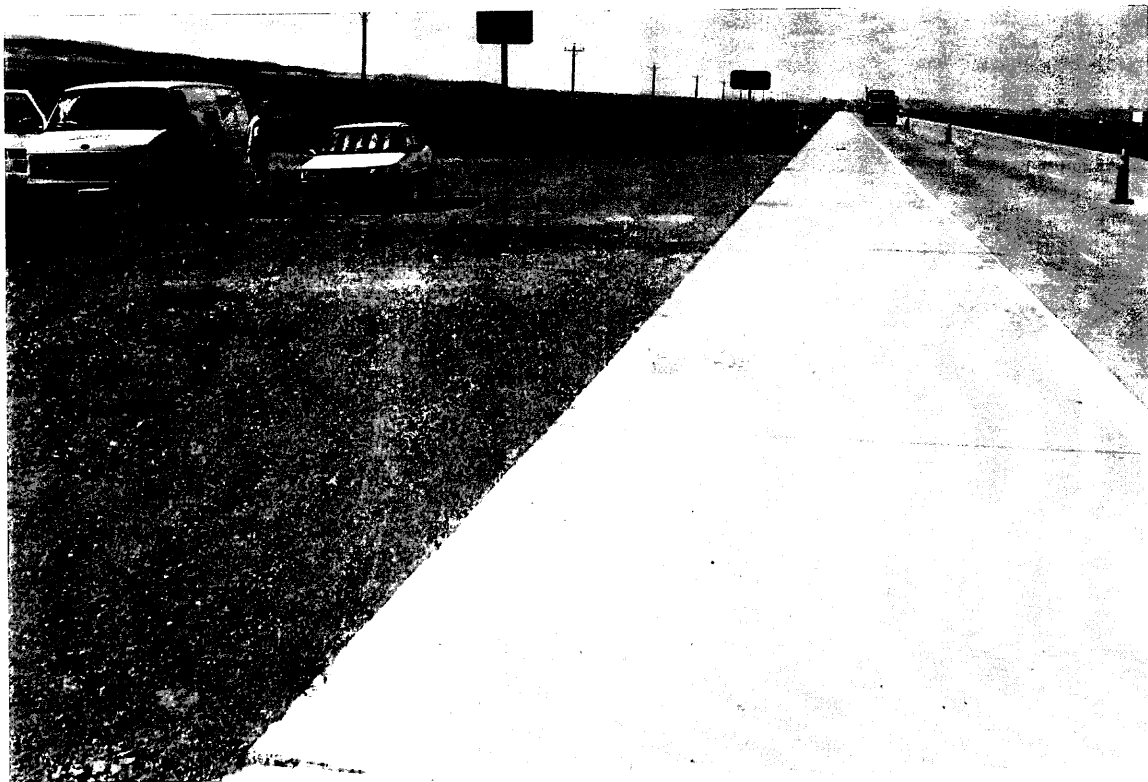


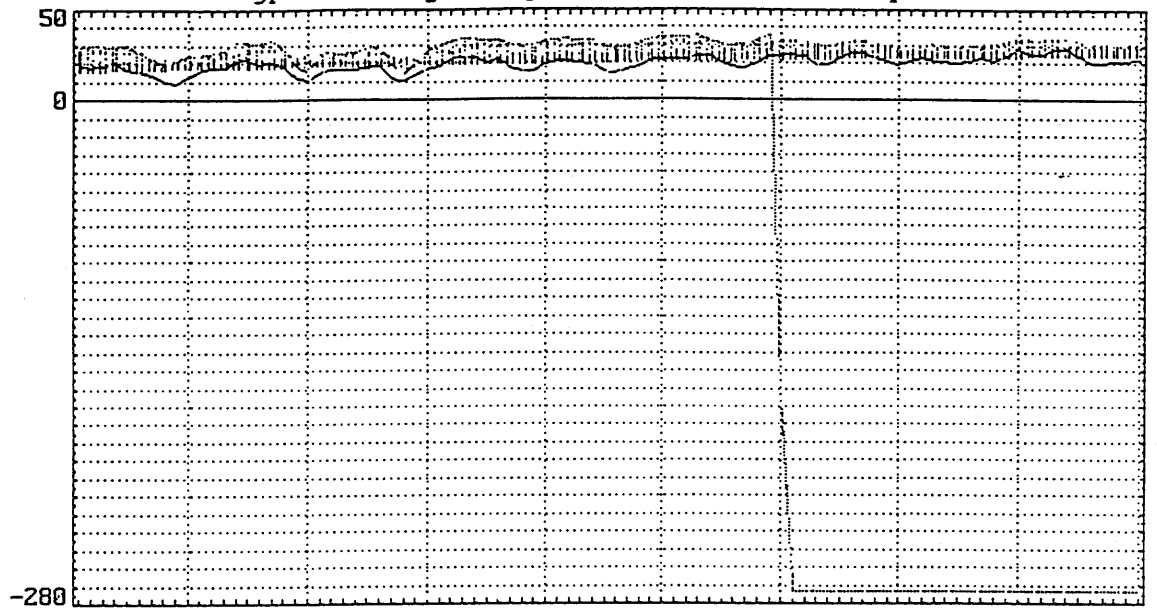
Photo 4. The instrumented area after dismantle.

Agency Code: 32										Location: Battle Mountain, Nevada.											
LTPP Section Code: 0101										Pavement type: Asphalt concrete											
Test Date dd/mm/yy	Visit Identity Code	ONSITE Data			MOBILE Data			Manual Data						FWD Data			Distress Data		Profile Data		Comments
		Pav Temp	Ambient Temp	Precipn.	Subsurface Moisture (TDR)	Frost Depth 2-Point	Backup Pav Temp	Backup Moisture (TDR)	Frost Depth 2-Point	Frost Depth 4-Point	Water Table	Surface Elev.	Surface Layer Temp.	No. of Cycles/Visit.	OWP	ML	Manual	PASCO	Profiler	Dipstick	
11-Oct-96	A	X	X	X	•	X			X	X	X	X	X	3	3	3	X	Y		X	Pasco survey done on 30/05/96
06-Nov-96	B	X	X	X	•	X		X	X	X	X	X	X	4	4	4	X			X	
03-Dec-96	C	X	X	X	X	X		X	X	X	X			4	4	4			X		
08-Jan-97	A	X	X	X	X	X			X	X	X			5	5	5					
05-Feb-97	B	X	X	X	X	X			X	X				4	4	4					Well cap would not come off
13-Mar-97	C	X	X	X	X	X			X	X	X			4	4	4	X		X	X	Profile performed on 05-Mar-97
02-Apr-97	D	X		X	X	X			X	X	X			3	3	3					
18-Apr-97	E	X	X	X	X	X			X	X	X			3	3	3	X		X	X	Profile performed on 22-Apr-97
07-May-97	G	X	X	X	X	X			X	X	X			3	3	3					
06-Jun-97	H	X	X	X	X	X			X	X	X			3	3	3					
15-Jul-97	I	X	X	X	X	X			X	X	X			3	3	3	X				
15-Aug-97	J	X	X	X	X	X			X	X	X	X	X	3	3	3					
10-Sep-97	K	X	X	X	X	X			X	X	X	X	X	4	4	4	X		X	X	Site Dismantle

Notes:

N*: Mobile box was sent for repair.

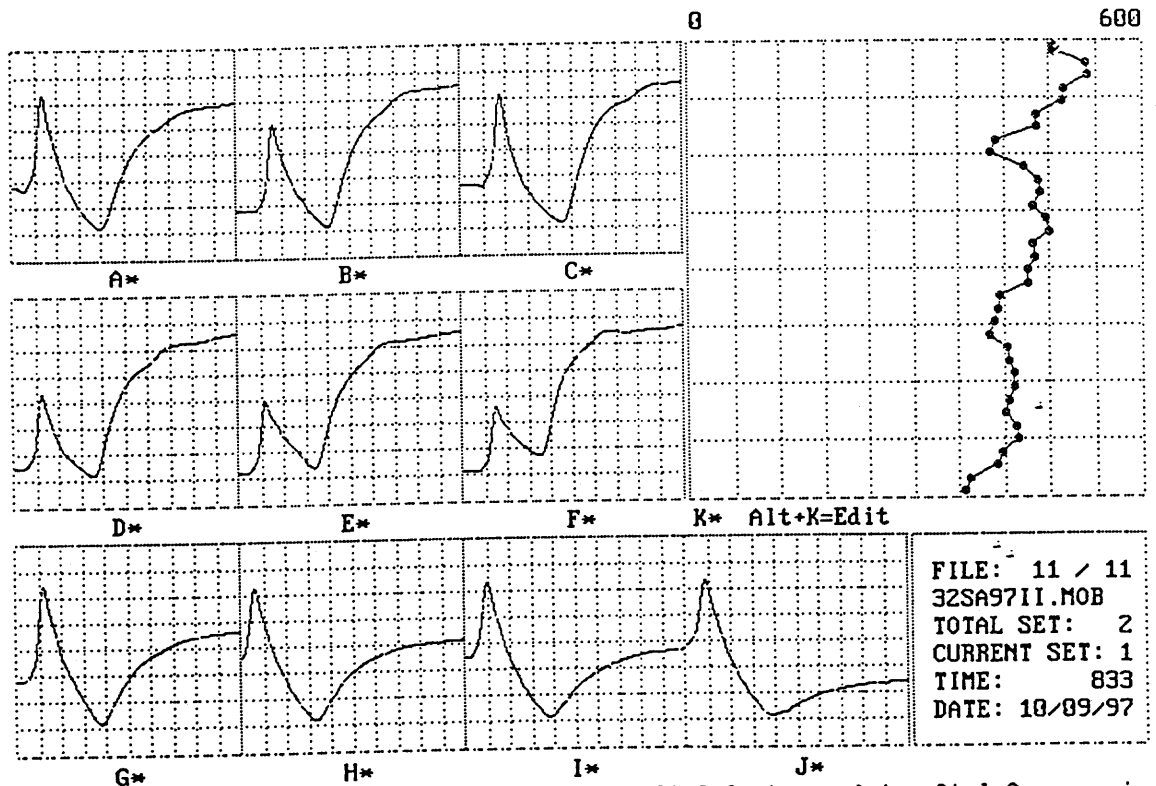
Nevada Site: A
Record Type 2 - Daily Average Air & 18 MRC Sensor Temperatures (°C)



137 (17/05/97) Day Number (14/08/97) 226
Legend: Avg. Air Temperature — First MRC Sensor Temperature —

MRC Sensor: 1

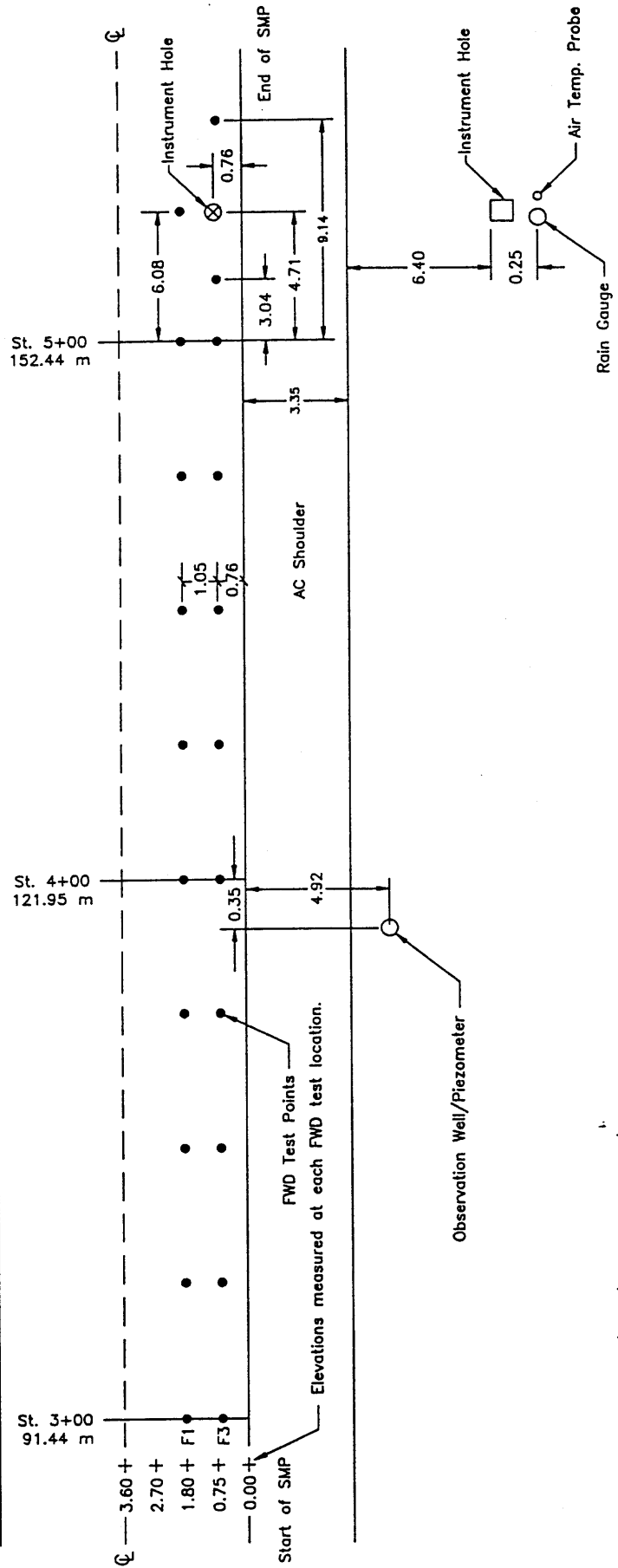
Esc=Exit: F1=Sensor: F8.F9=Edit Ln: F2=PrintScreen



Alt+Letter estimate UMC: Ctrl+T change time: Ctrl+D change date: Ctrl+C comment
Esc=Exit: Letter select(*): PgUp/PgD=Prior/Next set: Ctrl+PgUp/PgD=Prior/Nextfile

SECTION 320101
Battle Mt., NV

I-80
Eastbound
Divided Highway



Note: All dimensions are in meters.